

BEAR RIVER BASIN

10105900 LITTLE BEAR RIVER AT PARADISE, UT

LOCATION.--Lat 41°34'32", long 111°51'16" in NW¹/₄NE¹/₄SE¹/₄ sec 29, T. 10 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on right bank 1 mi west of Paradise, Utah.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above sea level, from topographic map. Prior to Aug. 11, 1994, 50 ft upstream at different datum.

REMARKS.--Records fair except for estimated days which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft³/_s, May 7, 1993, gage height, 10.13 ft, site and datum then in use; maximum gage height 10.16 ft, Apr. 29, 1997; minimum daily discharge, 4.4 ft³/_s, Feb. 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 925 ft³/_s, Apr. 29, gage height, 10.16 ft; minimum discharge, 31 ft³/_s several days in Aug. and Sept.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	36	47	48	236	85	89	203	644	495	73	49	31	
2	36	46	46	e464	86	89	163	560	456	72	47	31	
3	36	46	43	505	80	89	187	508	398	69	48	41	
4	35	46	43	194	77	89	198	527	387	66	56	45	
5	35	49	48	114	76	90	163	611	367	65	71	51	
6	36	46	48	e105	74	90	152	654	342	67	65	60	
7	37	46	46	e95	85	90	214	671	319	65	61	70	
8	37	46	47	96	99	94	248	658	337	63	53	63	
9	38	46	50	91	99	93	283	650	348	62	45	63	
10	37	45	194	88	98	100	246	659	362	61	54	59	
11	37	45	238	88	94	130	215	678	327	65	60	58	
12	37	45	201	e63	89	186	203	687	308	102	67	62	
13	38	45	179	e64	87	155	195	685	328	80	64	68	
14	36	46	96	e66	86	126	195	677	320	71	61	71	
15	38	46	76	e69	86	133	221	699	290	72	55	70	
16	40	46	71	e60	87	183	276	695	260	63	48	74	
17	40	46	56	e60	94	386	326	684	239	60	48	80	
18	41	69	60	e62	105	291	382	668	224	61	48	80	
19	52	63	59	e62	97	292	405	628	209	64	45	93	
20	47	54	58	e60	95	327	441	585	195	59	43	94	
21	46	51	59	e70	91	346	483	575	183	55	41	99	
22	47	69	58	e69	90	312	425	554	165	56	34	98	
23	47	65	56	e69	89	319	415	519	142	57	32	96	
24	48	56	54	68	88	293	389	577	123	55	31	93	
25	60	53	55	73	89	219	413	582	115	52	31	95	
26	52	50	77	153	89	219	332	513	96	50	31	99	
27	49	48	161	176	91	242	425	437	88	49	31	99	
28	49	49	102	102	88	191	665	405	78	48	33	98	
29	49	49	92	87	---	145	779	473	78	54	32	97	
30	49	45	136	81	---	150	612	468	72	52	31	97	
31	49	---	197	79	---	210	---	461	---	51	31	---	
TOTAL	1314	1503	2754	3669	2494	5768	9854	18392	7651	1939	1446	2235	
MEAN	42.4	50.1	88.8	118	89.1	186	328	593	255	62.5	46.6	74.5	
MAX	60	69	238	505	105	386	779	699	495	102	71	99	
MIN	35	45	43	60	74	89	152	405	72	48	31	31	
AC-FT	2610	2980	5460	7280	4950	11440	19550	36480	15180	3850	2870	4430	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)													
MEAN	31.4	33.8	41.5	49.4	51.4	137	272	377	163	33.6	25.7	34.4	
MAX	43.8	50.1	88.8	118	89.1	186	328	593	291	62.5	46.6	74.5	
(WY)	1996	1997	1997	1997	1997	1997	1997	1997	1995	1997	1997	1997	
MIN	16.5	20.6	19.0	17.5	14.8	85.8	219	113	19.7	19.1	12.7	16.3	
(WY)	1993	1993	1993	1993	1993	1994	1993	1994	1994	1993	1993	1993	
SUMMARY STATISTICS													
				FOR 1996 CALENDAR YEAR				FOR 1997 WATER YEAR				WATER YEARS 1993 - 1997	
ANNUAL TOTAL				38991				59019					
ANNUAL MEAN				107				162				104	
HIGHEST ANNUAL MEAN												162	1997
LOWEST ANNUAL MEAN												54.3	1994
HIGHEST DAILY MEAN				578				Apr 10				779	Apr 29 1997
LOWEST DAILY MEAN				24				Jul 22				31	Aug 24
ANNUAL SEVEN-DAY MINIMUM				24				Jul 22				31	Aug 24
ANNUAL RUNOFF (AC-FT)				77340				117100				75590	
10 PERCENT EXCEEDS				308				458				332	
50 PERCENT EXCEEDS				47				45				18	

e Estimated